

a permanent magnet arranged opposite to said pole teeth, wherein said permanent magnet comprises a sleeve fitted to a rotor shaft and a rare earth magnet further comprising a plurality of discrete segment magnets which are arranged apart from each other on an outer surface of the rotor with a thermoplastic material that fills a space between the rotor shaft and each segment magnet and a space between adjacent segment magnets.

Please substitute amended claim 11 for pending claim 11 as follows:

11. (Twice amended) A motor having an inner rotor assembly, the motor comprising:

a stator including annular stator yokes each having a plurality of pole teeth located along an inner circumference thereof and coils arranged inside said stator yokes, each coil being constructed by winding a magnet wire; and,

a yoke-less rotor rotatably disposed adjacent said pole teeth of said annular yokes comprising:

a sleeve fitted to a rotor shaft;

a thermoplastic holder; and,

a plurality of discrete rare earth segment magnets arranged opposite said pole teeth which are spaced from each other on an outer surface of the rotor by said thermoplastic holder that fills a space between the rotor shaft and each segment magnet and a space between adjacent segment magnets, the space between adjacent segment magnets providing a relief for a molding pressure of said thermoplastic holder.

Please add claim 14 as follows:

14. The rotor structure according to claim 1, wherein the sleeve comprises an aluminum material.

Please add claim 15 as follows:

15. The rotor structure according to claim 1, wherein the thermoplastic material fills a space extending radially between the sleeve and each segment magnet and a space extending radially between the rotor shaft and each segment magnet.

Please add claim 16 as follows:

16. The motor of claim 11, wherein the sleeve comprises an aluminum material.

Please add claim 17 as follows:

17. The motor of claim 11, wherein the thermoplastic material fills a space extending radially between the sleeve and each segment magnet and a space extending radially between the rotor shaft and each segment magnet.